

Patent Abstracts of Japan

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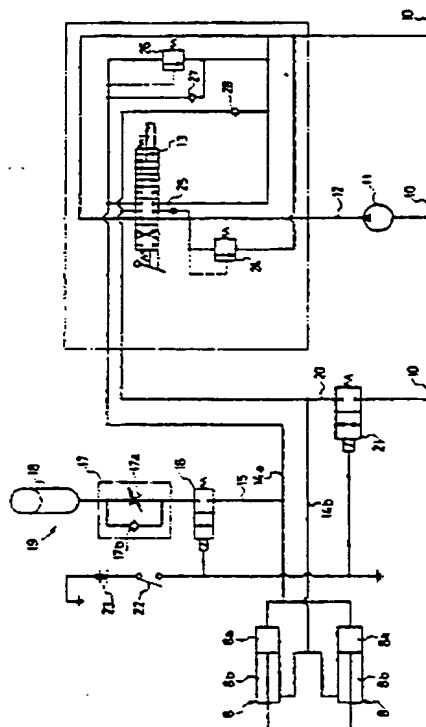
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APPLICANT : KOBE STEEL LTD;

INVENTOR : TORII SATORU;

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TITLE : VIBRATION SUPPRESSOR FOR
VEHICULAR CONSTRUCTION
MACHINE



ABSTRACT : PURPOSE: To raise the effect of suppressing vibration by a simple constitution in which an accumulator is connected by outer piping through a mode switching valve to an oil-pressure cylinder for operation.

CONSTITUTION: When the boom of a working device is vertically turned during the traveling period, a variation in pressure is produced in the head side oil chamber 8a of a boom cylinder 8. In this case, the chamber 8a is led to an accumulator 18 through pipes 14a and 15, a mode switching valve 16, and a slow-return check valve 17 by switching the valve 16 to the connecting position. Oil in the chamber 8a flows through the valve 17, etc., in or out of the accumulator 18. By spring action resulting from the accumulated pressure of the accumulator 18 and also by damping action resulting from the throttling 17a of the valve 17, the occurrence of vibration can be suppressed.

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